BRUHAT BANGALORE MAHANAGARA PALIKE

Indent No. 14269

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/07/2014-15, Date: 31.10.2014

Drilling of Borewell and Pump and Motor at Agrahara Vinayakanagara, Babanagara, Dwarakanagara Muneshwara Garden in Ward NO 05 Byatarayanapura Sub Division

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of H.V. Nagaraj M/s. Kranthi Electricals	
				In Figures	In Words
1	4	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)	Each BW	2033.44	Rupees Two Thousand Thirty Three and Forty Four Paise Only
2	200.00	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)0 to 50 m	Rmtr	330.62	Rupees Three Hundred Thirty and Sixty Two Paise Only
3	200.00	50 to 100 m	Rmtr	432.19	Rupees Four Hundred Thirty Two and Nineteen Paise Only
4	200.00	100 to 150 m	Rmtr	480.81	Rupees Four Hundred Eighty and Eighty One Paise Only
5	200.00	150 to 200 m	Rmtr	507.8	Rupees Five Hundred Seven and Eighty Paise Only
6	200.00	200 to 250 m	Rmtr	587.78	Rupees Five Hundred Eighty Seven and Seventy Eight Paise Only
7	200.00	250 to 300 m	Rmtr	629.9	Rupees Six Hundred Twenty Nine and Ninety Paise Only
8	180.00	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)	Rmtr	1431.6	Rupees One Thousand Four Hundred Thirty One and Sixty Paise Only

9	**20.00**	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)	Rmtr	1188.5	Rupees One Thousand One Hundred Eighty Eight and Fifty Paise
10	**4**	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)	Each	108	Rupees One Hundred Eight Only
11	**36**	M.S. Casing pipe collars 'C' Class (P.NO-III, I.NO-86, PRED 12-13 SR)	Each	162	Rupees One Hundred Sixty Two Only
12	**4**	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 25 stage (P.NO-XXXXIII, I.NO-33, PWD SR 13-14) 15 HP 30 Stage	No	79242.6	Rupees Seventy Nine Thousand Two Hundred Forty Two and Sixty Paise Only
13	**2**	For Additional motor 15 HP 30 Stage	No	79242.69	Rupees Seventy Nine Thousand Two Hundred Forty Two and Sixty Nine
14	**1100.00**	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 13-14 PWD, P.No.XVII Sl.no. 509)	Rmtr	356.93	Rupees Three Hundred Fifty Six and Ninety Three Paise Only
15	**200.00**	For Additional GI Pipe		356.9	Rupees Three Hundred Fifty Six and Ninety Paise Only
16	**254.00**	Providing & fixing heavy duty collar (P.NO-III, I.NO-86, PRED 12-13 SR)		166.79	Rupees One Hundred Sixty Six and Seventy Nine Paise Only
17	**2440.00**	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), BWSSB 12-13 SR)	Mtr	172.3	Rupees One Hundred Seventy Two and Thirty Paise Only
18	**1000.00**	For Additional PVC Cable	Mtr	172.34	Rupees One Hundred Seventy Two and Thirty Four Paise Only

19	**4.00**	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	No.	15525.2	Rupees Fifteen Thousand Five Hundred Twenty Five and Twenty Paise Only
20	**2.00**	For Additional	No.	15525	Rupees Fifteen Thousand Five Hundred Twenty Five Only
21	**88000.00**	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)	Sqm	0.36	and Thirty Six Paise Only
22	**44000.00**	For additional		0.36	and Thirty Six Paise Only
23	4.00	Providing & Fixing of clamps set and borewell cap to the pump (MR)	No's	723.81	Rupees Seven Hundred Twenty Three and Eighty One Paise Only
24	**12.00**	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR 13-14, P.NO.XXIV, Sl.no, 673)	No's	1779.1	Rupees One Thousand Seven Hundred Seventy Nine and Ten Paise Only
25	**12.00**	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR 13-14, P.NO.XXIV, Sl.no, 659)	No's	1273.17	Rupees One Thousand Two Hundred Seventy Three and Seventeen Paise Only
26	**12.00**	Providing and fixing of 50mm GI bend to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's	243.51	Rupees Two Hundred Forty Three and Fifty One Paise Only
27	**12.00**	Providing and fixing of 50mm GI Nipple to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's	115.98	Rupees One Hundred Fifteen and Ninety Eight Paise Only
28	**12.00**	Providing and fixing of 50mm GI union to the motor ((PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)	No's	248.74	Rupees Two Hundred Forty Eight and Seventy Four Paise Only
29	**4.00**	Labour Charges for end connection (MR)	No's	419.6	Rupees Four Hundred Nineteen and Sixty Paise Only
30	**204.00**	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)	Per length	95	Rupees Ninety Five Only

31	**4.00**	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)	No's	498.28	Rupees Four Hundred Ninety Eight and Twenty Eight Paise Only
32	**4.00**	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)	No's	950.81	Rupees Nine Hundred Fifty and Eighty One Paise Only
33	**120.00**	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr	178.28	Rupees One Hundred Seventy Eight and Twenty Eight Paise Only
34	**500.00**	For Additional		178	Rupees One Hundred Seventy Eight Only
35	**120.00**	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)	Mtr	59	Rupees Fifty Nine Only
36	**500.00**	For Additional		59.43	Rupees Fifty Nine and Forty Three Paise Only
37	**12.00**	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)	Mtr	309	Rupees Three Hundred Nine Only
38	**4.00**	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14)	No's	1782.78	Rupees One Thousand Seven Hundred Eighty Two and Seventy Eight Paise Only
39	**4.00**	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, (P.NO - 555, I.NO - 16 (b) , BWSSB SR 13-14)	No's	285.2	Rupees Two Hundred Eighty Five and Twenty Paise Only
40	4.00	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)	No's	1416.15	Rupees One Thousand Four Hundred Sixteen and Fifteen Paise Only
41	**12.00**	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia (P.NO - 103, I.NO - 13.79.6, PWD SR 13-14)	No's	1590	Rupees One Thousand Five Hundred Ninety Only
42	**4.00**	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 521, I.NO - 2 (f), BWSSB SR 13-14)	No's	326.85	Rupees Three Hundred Twenty Six and Eighty Five Paise Only

43	**198.00**	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.4, PWD SR 13-14)	Cum	234	Rupees Two Hundred Thirty Four Only
44	**440.00**	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 102, I.NO - 13.73.1, PWD SR 13-14)	Mtr	370	Rupees Three Hundred Seventy Only
45	**198.00**	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 13-14)	Cum	62	Rupees Sixty Two Only
46	**4**	KPTCL Deposit charges	No's	14000	Rupees Fourteen Thousand Only

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92